

## Appendix G: Random Inspections

### Field Notes and Pictures

Utility: ComEd      Investigators: J. Stutsman & J. Spencer

Voltage	Location	Date	Description
12kV	Calumet City	8/6/01	Line sag spot check of prior yr. [Feb 1, 2000] this time saw bucket truck pushing pole up and work in process to correct line sag at corner of Alleyway and Sibley Blvd between Douglas Av and State Line St
12kV	Chicago Heights	8/7/01	Tree contact, insulated primary (tree wire) in trees and under trees, northwest corner of Aberdeen St. and 16th Place *
12kV	Chicago Heights	8/7/01	Tree contact, insulated primary (tree wire) in Cedar tree southeast corner of Aberdeen St. and 16th Place in alley *
12kV	Chicago Heights	8/7/01	Tree contact, insulated primary (tree wire) in cedar tree southeast corner of Aberdeen St. & 16th Place in alley Same as above, but different side of tree -- See Picture G1
12kV	Chicago Heights	8/7/01	Tree contact, same alley as above but 50 yards south -- tree branches laying on insulated primary (tree wire) *
12kV	Chicago Heights	8/7/01	Tree contact, branch contact on primary in alley between (with burning on branches) Thorn St. and Euclid Ave -- 40 yards north of 16th St.*
12kV	Chicago Heights	8/7/01	Tree contact, primary in fast growing Maple tree in alley 10 yards south of 15th St. between Schilling Ln. and Edgewood Ave.*
12kV	Chicago Heights	8/7/01	Tree contact, primary into tree in alley 60 yards North of 15th St. between Schilling Lane and Edgewood Ave. *
12kV	Chicago Heights	8/7/01	Tree contact, bare primary into Locust trees with burning on branches 10-30 yards south of Chicago Rd. and Greenbriar Ave. Intersection -- See Picture G2
12kV	Chicago Heights	8/7/01	Tree contact, bare primary into Ash trees with burning on branches 10-40 yards north of Chicago Rd. and Greenbriar Ave. Intersection *
12kV	Homewood	8/7/01	Tree contact, 150 yards north of Holbrook and Chicago -- insulated primary into and on trees for about 100 yards *
12kV	Homewood	8/7/01	Tree contact, at 100 yards north of Idlewild Ln. and Highland Ave. -- bare primary (looks like copperweld) in/through tree*
12kV	Homewood	8/7/01	Tree contact, insulated primary (tree wire) through tree 200 yards east of Dixie and Terrace Rd. -- See Picture G3
12kV	Homewood	8/7/01	Tree contact, bare primary (looks like copperweld) in Poplar trees between Martin and Dixie on Heather Rd. near 18529 Martin Ave. on south side of property*
12kV	Harvey	8/7/01	Tree contact, branch laying on insulated primary (tree wire) in alley also <u>missing ground wire</u> 100 yards south of 157th St. between Myrtel and Loomis *

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12kV	Harvey	8/7/01	Tree contact, primary (looks like weatherproof CU) brushing against tree in several places in alley 50 yards north of 156th between Vine Ave. and Myrtle – See Picture G4
12kV	Rockford	8/9/01	Tree contact, 2821 20th St. along Reed Ave. side – all three phases of bare primary into top of tree with burning*
12kV	Rockford	8/9/01	Tree contact, 1119 20th St. broken tree branch supported by neutral*
12kV	Rockford	8/9/01	Tree contact, 815 20th St. primary into Sycamore tree with burning of leaves*
12kV	Rockford	8/9/01	Tree contact, 3503 Corbridge -- east of Fairview in right-of-way at street side, insulated primary (tree wire) with trees in north phase and switches and with burning in tree *
12kV	Rockford	8/9/01	Tree contact, 3503 Corbridge -- switch operation is hindered by tree (east side of Fairview in right-of-way) – See Picture G5
12kV	Rockford	8/9/01	Tree contact, right-of-way between Corbridge and Rural St and west of Fairview -- opposite side of Fairview above – insulated primary (tree wire) into Evergreen tree and disappears. Burn marks visible on tree wire – See Picture G6
12kV	Rockford	8/9/01	Tree contact, at 4101 and 4102 Spring Creek insulated primary (tree wire) into tree -- all 3 conductors show burning and burning is visible in tree. Extensive burning on street side conductor with 4 major burns over a 5 ft area. Other conductors had major burns *
12kV	Rockford	8/9/01	Tree contact, 50 yards east of above extensive burn marks along street side conductor*
12kV	Elgin	9/20/01	Tree contact, 2047 South St. – insulated primary (tree wire) -- pole top and primary in tree -- tree also up into primary – hardwood tree maybe Ash*
12kV	Elgin	9/20/01	Tree contact, 2047 South St. looking up with overhang branches in primary -- burning on wire is extensive*
12kV	Elgin	9/20/01	Tree contact, 327 McClure -- tree grown up into insulated primary (tree wire) burning on primary and tree top*
12kV	Elgin	9/20/01	302 Center St -- broken lightning arrestor – See Picture G7
12kV	Elgin	9/20/01	Tree contact, Oak tree 2nd pole from pool on line between pool and museum in Lords Park (Oak Wood Blvd), branch into primary with burning *
12kV	Elgin	9/20/01	Tree contact, span between 1st and 2nd pole from pool, limb overhanging primary with burning of leaves, on primary between pool and museum in Lords Park (Oak Wood Blvd), branch into wire with burning*
12kV	Elgin	9/20/01	Tree contact, Congdon Av on side of 1057 Bellevue Av, insulated primary (tree wire), field side phase is bad but all phases into Silver Maple with burning*
12kV	Elgin	9/20/01	Tree contact, on Congdon Av between Bellevue Av and Duncan Av, field side phase is bad but all phases into Silver Maple with burning on tree and wire*
12kV	Elgin	9/20/01	Tree contact, 441 Congdon Ave, Locust tree growing thru insulated primary (tree wire) phases with burning on tree and primary*

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12kV	Elgin	9/20/01	Tree contact, 441 Congdon Ave, Locust tree growing thru insulated primary (tree wire) phases with burning on tree and primary *
12kV	Elgin	9/20/01	Tree contact, alley behind 1028 N. Spring St (south of River Bluff Rd), hard Maple growing up into 3 phases of insulated primary (tree wire), lots of burning *
12kV	Elgin	9/20/01	Tree contact, alley behind 1028 N. Spring St (south of River Bluff Rd), 2-3 feet growth above phases -- slow growth hard Maple -- See Picture G8
12kV	Elgin	9/20/01	Tree contact, alley behind 1050 N. Spring St (south of River Bluff Rd), hard Maple with burning on leaves on street side phase*
12kV	Elgin	9/20/01	Tree contact, alley behind 1050 N. Spring St (south of River Bluff Rd), another tree (looks like Elm?) grown up into phases on entrance to alley*
12kV	Elgin	9/20/01	Tree contact, alley behind 1050 N. Spring St (South of River Bluff Rd), another tree (Elm?) grown up into phases on entrance to alley -- same as above with picture taken from River Bluff Rd in front of alley*
12kV	Elgin	9/20/01	Tree contact, 568 Brook St (Brook and Jefferson Av) soft Maple grown up into phases, insulated primary (tree wire) *
12kV	Elgin	9/20/01	Tree contact, 537 E. Chicago St. (near E. Chicago St and S. Porter St. intersection), Silver Maple up in insulated primary (tree wire), with burning on tree and primary *
12kV	Elgin	9/20/01	Tree contact, intersection of Villa St and Peck PL. bare primary, bottom phase into tree (may be Cottonwood?) *
12kV	Elgin	9/20/01	Tree contact, 819 Bent St., insulated primary (tree wire), into tree with burning of primary and tree -- See Picture G9
12kV	Elgin	9/20/01	Tree contact, 307 Bent St., burning on insulated primary (tree wire), hardwood tree *
12kV	Elgin	9/20/2001	Tree clearance, South St. to Gala St -- saw many close if not outright contact
12kV	Elgin	9/20/2001	Tree contact, South St. across Belmont St. -- burning above Silver Maples
12kV	Elgin	9/20/2001	Tree clearance, South Melrose has been trimmed but there is some serious overhang
12kV	Elgin	9/20/2001	Tree clearance, Eric St. has been trimmed but there is some serious overhang
12kV	Elgin	9/20/2001	Tree clearance, Larkin overhang
12kV	Elgin	9/20/2001	Tree clearance, Highland overhang
12kV	Elgin	9/20/2001	Tree clearance, Lacrouse Av overhang
12kV	Elgin	9/20/2001	Tree clearance, McClure North of Wing -- lots of overhang
12kV	Elgin	9/20/2001	Tree contact, Congdon Av lots of overhang and tree branches in between primary
12kV	Elgin	9/20/2001	Tree clearance, lots of overhang in alleys near river
12kV	Elgin	9/20/2001	Tree clearance, 522 Brook St. Soft Maple is close if not outright contact

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12kV	Elgin	9/20/2001	Tree contact, along State Road 31 south of Elgin to about 5 miles south of Elgin primary in and out of trees
12kV	Kankakee	9/20/01	Tree contact, 355 S. Greenwood Av., insulated primary (tree wire), thru tree in alley behind 355 S. Greenwood Av (between Greenwood and Hickory)*
12kV	Kankakee	9/20/01	Tree contact, in alley next to 76 E. Station St., insulated primary (tree wire) with burning in Elm(?) tree -- tree growing into primary*
12kV	Kankakee	9/20/01	Tree contact, in alley behind 169 S. Wildwood Av, Oak tree growing into primary (hadn't been trimmed in a long time) with burning on tree field side*
12kV	Kankakee	9/20/01	Tree contact, field side thru tree at 241 or 231 S. Evergreen Av, with burning in tree, insulated primary (tree wire), tree is a hardwood -- maybe Ash tree – See Picture G10
12kV	Kankakee	9/20/2001	only in Kankakee briefly but saw a lot more tree contact and tree clearance problems than we took pictures of -- general impression is that Kankakee is worse than Elgin

Notes:      \*      Indicates field picture not included in this report  
                  Some duplicate log entries were deleted for clarity  
                  This summary for the circuit inspected represents typical observations noted by Staff engineers during the field inspection and DOES NOT represent all of the problems or potential problems that may exist on the circuit. In many cases there were portions of the circuit that were not inspected at all. No effort was made to perform a thorough, detailed inspection as may need to be done by the utility.

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### Picture G1

Primary in Cedar tree south east corner of Aberdeen St. and 16<sup>th</sup> Place in alley in Chicago Heights



### Picture G2

Bare primary into Locust trees with burning on branches 10-30 yards south of Chicago Rd. and Greenbriar Ave. intersection in Chicago Heights



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**Picture G3**

**Insulated primary through tree 200 yards east of Dixie and Terrace Rd.  
intersection in Homewood**



**Picture G4**

**Primary brushing against tree in several places in alley 50 yards north of 156<sup>th</sup>  
between Vine Ave. and Myrtle in Harvey**



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Picture G5

Tree contact in right of way behind 3503 Corbridge near east side of Fairview – note that switch operation is hindered by tree, in Rockford



Picture G6

Primary disappears into evergreen in right of way west of Fairview and south of Corbridge in Rockford



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Picture G7

Broken lightning arrestor near 302 Center St. in Elgin



Picture G8

Slow growth hard Maple with growth 2-3 feet above phases in alley behind 1028 N. Spring St. (south of River Bluff Rd.) in Elgin



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**Picture G9**

**Insulated primary through tree with burning on primary and tree at 819 Bent St. in Elgin**



**Picture G10**

**Insulated primary with field side through hardwood tree with burning in tree at 241 or 231 S. Evergreen Ave. in Kankakee**

